

ABSTRACT OF THE DISCLOSURE

The present invention relates to an assay including a surface having silver colloids or islands attached thereto. Attached to the surface and/or silver colloids/islands are polynucleotides which are complimentary to a target polynucleotide sequence. The assay is performed by adding the target polynucleotide sequence to the assay surface and allowed to hybridize with the capture polynucleotides. Fluorophore-labeled capture polynucleotides are added and hybridize to the target polynucleotide. Bound target polynucleotides are detected by metal enhanced fluorescence.